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| FORM PTO-1449<br>(REV 7-80)  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY DOCKET NO. <u>LEONHARTSBERGER ET AL. 2005</u> | SERIAL NO. <u>10/530,843</u> |
| LIST OF REFERENCES CITED BY APPLICANT<br><br>(Use several sheets if necessary) |  | APPLICANT: <u>LEONHARTSBERGER ET AL.</u>           |                              |
|  |  | FILED DATE: <u>APRIL 8, 2005</u>                   | GROUP:                       |

| U.S. PATENT DOCUMENTS |    |                 |      |      |       |          |                           |
|-----------------------|----|-----------------|------|------|-------|----------|---------------------------|
| EXAMINER INITIAL      |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILED DATE IF APPROPRIATE |
|                       | AA |                 |      |      |       |          |                           |
|                       | AB |                 |      |      |       |          |                           |
|                       | AC |                 |      |      |       |          |                           |
|                       | AD |                 |      |      |       |          |                           |
|                       | AE |                 |      |      |       |          |                           |
|                       | AF |                 |      |      |       |          |                           |
|                       | AG |                 |      |      |       |          |                           |
|                       | AH |                 |      |      |       |          |                           |
|                       | AI |                 |      |      |       |          |                           |
|                       | AJ |                 |      |      |       |          |                           |
|                       | AK |                 |      |      |       |          |                           |

| FOREIGN PATENT DOCUMENTS |    |                 |      |         |       |          |             |    |
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|                          |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|                          |    |                 |      |         |       |          | YES         | NO |
|                          | AL |                 |      |         |       |          |             |    |
|                          | AM |                 |      |         |       |          |             |    |
|                          | AN |                 |      |         |       |          |             |    |
|                          | AO |                 |      |         |       |          |             |    |
|                          | AP |                 |      |         |       |          |             |    |

| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) |    |                 |  |
|---|----|-----------------|--|
| JG  | AR |                 | DUCLOS et al., "Nucleotide sequence of the metA gene encoding homoserine trans-succinylase in <i>Escherichia coli</i> "; <i>Nucleic Acids Research</i> , Vol. 17, No. 7, Page 2886             |
|   | AS |                 | Lawrence et al., Smith et al.; <i>Genetics</i> , Vol. 58, April 1968, Pages 473-492.   |
| JG  | AT |                 | Kredich et al., Tomkins et al., "The enzymic synthesis of L-Cysteine in <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> "; <i>J. Biol. Chem.</i> , Vol. 241, No. 21, Pages 4955-4965 |
|   |    |                 |  |
| EXAMINER  |    | DATE CONSIDERED |  |
| T. Saidha   |    | 2/20/07         |  |


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Filed 5/7/07

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| FORM PTO-1449<br>(REV. 7-80)  |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE  |         | ATTY. DOCKET NO. :<br><b>LEONHARTSBERGER ET AL - 2 PCT</b> |       | SERIAL NO.<br><b>10/530,843</b> |                               |
|---|----|---|---------|--|-------|---------------------------------|-------------------------------|
| <b>LIST OF REFERENCES CITED BY APPLICANT</b><br>(Use several sheets if necessary)   |    |   |         | APPLICANT : <b>Susanne LEONHARTSBERGER ET AL.</b>          |       |                                 |                               |
|   |    |   |         | FILING DATE: <b>April 8, 2005</b>                          |       | GROUP: <b>1652</b>              |                               |
| <b>U.S. PATENT DOCUMENTS</b>  |    |   |         |  |       |                                 |                               |
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER   | DATE    | NAME   | CLASS | SUBCLASS                        | FILING DATE<br>IF APPROPRIATE |
| JBS   | AA | 5,120,837   | 06/1992 | Fotheringham et al.  |       |                                 |                               |
| JBS   | AB | 2002/0106800  | 08/2002 | Liaw et al.  |       |                                 |                               |
| JBS   | AC | 5,698,418   | 12/1997 | Brunner et al.   |       |                                 |                               |
| <b>FOREIGN PATENT DOCUMENTS</b>   |    |   |         |  |       |                                 |                               |
|   |    | DOCUMENT NUMBER   | DATE    | COUNTRY  | CLASS | SUBCLASS                        | TRANSLATION<br>YES NO         |
| JBS   | AE | EP 0 745 671 A2   | 12/1996 | Europe   |       |                                 |                               |
| JBS   | AF | JP 2000-139471 A  | 05/2000 | Japan  |       |                                 |                               |
|   | AG |   |         |  |       |                                 |                               |
| <b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)</b>  |    |   |         |  |       |                                 |                               |
| JBS   | AH | Thomson Derwent corresponding to JP 2000-139471 A.  |         |  |       |                                 |                               |
|   | AI | Morinaga et al., Agric. Biol. Chem., Vol. 46, No. 1, 1982, pgs. 57-63.  |         |  |       |                                 |                               |
|   | AJ | Bourhy et al., Journal of Bacteriology, Vol. 179, No. 13, July 1997, pgs. 4396-4398.  |         |  |       |                                 |                               |
|   | AK | Duclos, B. et al., "Nucleotide sequence of the metA gene encoding homoserine trans-succinylase in Escherichia coli," Nucleic Acids Reseach, Vol. 17, No. 7, pg. 2856. |         |  |       |                                 |                               |
|   | AL | Lawrence et al., Dept. of Genetics, Vol. 58, April 1968, pgs. 473-492.  |         |  |       |                                 |                               |
|   | AM | Kiedich et al., "The Enzymic Synthesis of L-Cysteine in Escherichia coli and Salmonella typhimurium," J. Biol. Chem., 1966, Vol. 241, No. 21, pgs. 4955-4965.         |         |  |       |                                 |                               |
|   | AN | Lee et al., "Multimetabolite Control of a Biosynthetic Pathway of Sequential Metabolites," J. Biol. Chem., Vol. 24, No. 22, 1966, pgs. 5479-5480.                     |         |  |       |                                 |                               |
|   | AO | Shiozaki et al., Agric. Biol. Chem., Vol. 53, No. 12, 1989, pgs. 3269-3274.   |         |  |       |                                 |                               |
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| JBS   | AS | Born et al., Biochemistry, October 1999, Vol. 38, No. 43, pgs. 14416-14423 as abstract.   |         |  |       |                                 |                               |
| EXAMINER<br><i>T. Saidha</i>  |    |   |         | DATE CONSIDERED<br><i>6/18/07</i>                          |       |                                 |                               |
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| FORM PTO-1449<br>(REV. 7-80)<br>(modified)   |                 | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |   | ATTY. DOCKET NO.:<br><b>LEONHARTSBERGER ET AL - 2 PCT</b> |          |                            | SERIAL NO.<br><b>10/530,843</b> |  |
|--|-----------------|--|---|---|----------|----------------------------|---------------------------------|--|
| <b>LIST OF DOCUMENTS CITED BY APPLICANTS</b><br>(Use several sheets if necessary)  |                 |  |   | APPLICANT: <b>Susanne LEONHARTSBERGER ET AL.</b>          |          |                            | GROUP: <b>1652</b>              |  |
|  |                 |  |   | FILING DATE: <b>April 8, 2005</b>                         |          |                            |                                 |  |
| <b>U.S. PATENT DOCUMENTS</b>   |                 |  |   |   |          |                            |                                 |  |
| EXAMINER INITIAL   | DOCUMENT NUMBER | DATE   | NAME  | CLASS   | SUBCLASS | FILING DATE IF APPROPRIATE |                                 |  |
|  | AA              |  |   |   |          |                            |                                 |  |
|  | AB              |  |   |   |          |                            |                                 |  |
|  | AC              |  |   |   |          |                            |                                 |  |
| <b>FOREIGN PATENT DOCUMENTS</b>  |                 |  |   |   |          |                            |                                 |  |
|  | DOCUMENT NUMBER | DATE   | COUNTRY   | CLASS   | SUBCLASS | TRANSLATION                |                                 |  |
|  |                 |  |   |   |          | YES                        | NO                              |  |
|  | AD              |  |   |   |          |                            |                                 |  |
|  | AE              |  |   |   |          |                            |                                 |  |
|  | AF              |  |   |   |          |                            |                                 |  |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>  |                 |  |   |   |          |                            |                                 |  |
|   | AG              |  | Chattopadhyay et al., "Control of Methionine Biosynthesis in Escherichia coli K 12: a closer study with analogue-resistant mutants," Journal of General Microbiology, 1991, Vol. 137, pgs. 685-691. <del>(European Search Report)</del> |   |          |                            |                                 |  |
|  | AH              |  |   |   |          |                            |                                 |  |
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|  | AJ              |  |   |   |          |                            |                                 |  |
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|  | AL              |  |   |   |          |                            |                                 |  |
|  | AM              |  |   |   |          |                            |                                 |  |
| EXAMINER <b>T. Saidhg</b>  |                 |  | DATE CONSIDERED <b>1/16/08</b>  |   |          |                            |                                 |  |
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                               |
|------------------------|-------------------------------|
| Application Number     | 10/530,843                    |
| Filing Date            | 04-08-2005                    |
| First Named Inventor   | LEONHARTSBERGER ET AL .       |
| Art Unit               | 1652                          |
| Examiner Name          |                               |
| Attorney Docket Number | LEONHARTSBERGER ET AL - 2 PCT |

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**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
| JS                 |                       | CHATTOPADHYAY ET AL., Control of methionine biosynthesis in Escherichia coli K12: a closer study with analogue-resistant mutants, Journal of General Microbiology, 1991, Pages 685 - 691, Vol. 137.   |                |
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| Examiner Signature | T. Saidley | Date Considered | 1/16/08 |
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